

EMERGENCY PREPAREDNESS, PREVENTION,
AND CONTINGENCY PLAN

WA 29174e
Chen Pro 79-26-85
Pier 91
9/26/1985

Purpose:

The purpose of this plan is to minimize hazards to human health or the environment from fires, explosions, or any unplanned release of hazardous waste to the air, land, or surface water.

Chemical Processors, Inc.
Pier 91
Seattle, Washington 98119

This plan is prepared in compliance with Environmental Protection Agency Regulations - Title 40 Part 265.

Note: The spill prevention, control, and countermeasure plan, forms an integral part of the plan, and is attached.

FILE COPY

USEPA RCRA



3012691

CONTENTS

Purpose

Part I Preparedness and Prevention

- Emergency phone numbers
- Emergency coordinator
- Emergency equipment
- Arrangements with local authorities
- Maintenance and operation of facility

Part II Emergency Procedures

- Immediate actions
 - Fire or explosion
 - Spill or discharge
 - Evacuation plan
- Duties of the emergency coordinator

Appendix

- Plant layout
- Plant plan showing emergency equipment
- Plant drainage

EMERGENCY TELEPHONE NUMBERS - PIER 91

NOTE: The following phone numbers, per the individual agencies contacted provide the most rapid service available:

1. FIRE: 911
2. MEDICAL AID: 911
3. POLICE AID: 911

Be sure when calling the 911 number that you report address also:

Pier 91 Building 19
Chemical Processors
Seattle, 98119

EMERGENCY COORDINATORS - PIER 91

Report all emergencies to Chemical Processors, 767-0350. Kelley Answering Service will respond during non-business hours. The answering service is provided with the following list. One of the following MUST BE CALLED.

- | | |
|----------------|----------------------------|
| 1) Bob Moody | 284-2450 or (206) 458-5279 |
| 2) Ron Atwood | 762-3868 or 226-8745 |
| 3) Mike Keller | 767-0350 or 932-1565 |
| 4) Ron West | 232-0407 |
| 5) Jim Hinman | 542-5572 |

The following are numbers that may be used for various situations as explained previously:

- | | |
|------------------------------------|---|
| 1) Spill containment and cleanups: | CROWLEY ENVIRONMENTAL
682-4898 or 583-8100 |
| 2) State Response | 1-753-5990 |
| 3) National Response, CHEMTREC | 1-800-424-8802 |
| 4) Metro Sewer | 447-6801 |

EMERGENCY EQUIPMENT PIER 91

List:	Alarms	
	Communications	Radio
		Telephone
	Decontamination	Eyewash
		Showers
		First Aid
	Fire Control	Foam System
		Fire Extinguishers
		Water Supply
	Spill Control	Drip Pans
		Absorbant Sweeping Compound
		Pumps and Hoses
		Drainage --- See Drainage
	Personal Protection	Goggles
		Respirator
		Gloves
		Protective Clothing
	Lighting	

Complete map of emergency equipment

PIER 91
ARRANGEMENTS WITH LOCAL RESPONSE GROUPS

The Seattle Fire Department regularly inspects the Pier 91 Facility and is in receipt of a current plan of the plant. The Seattle Fire Department also directs the Medic One medical response teams.

Crowley Environmental is under contract to provide minimum response time of one-half hour and maximum of one hour.

The Seattle Police Department and Washington State Emergency Response Team are in receipt of this plan.

MAINTENANCE AND OPERATION
OF ~~FACTORY~~
FACILITY

This facility must be maintained and operated to minimize the possibility of a fire, explosion, or any unplanned release of hazardous waste.

Required Equipment: Inspection testing and maintenance.

- Alarm
- Telephone
- Fire control
 - Portable extinguishers
 - Sprinkler systems
 - Foamite system
- Showers and eye wash
- Spill control Equipment
- Water supply

The above items must be checked and maintained according to the inspection schedule...

Access to Communications or Alarm System

Two or more employees must be on the premises and in visual or voice contact at all times hazardous wastes are being handled or processed. At least one must have immediate access to the alarm system or a telephone.

Required Aisle Space

Sufficient aisle space must be maintained at all times to allow unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any part of the facility in an emergency.

Part II

EMERGENCY PROCEDURES

Every employee of Chemical Processors must respond to an emergency:

1. To protect the safety and health of those within and around the plant.
2. To protect the community.
3. To protect the plant.

Every safe and reasonable effort must be made to control fires, spills or discharges.

This means:

1. Identify the hazard
2. Cease operations
 - close valves
 - shut down pumps and furnace
3. Call 911
4. Check the safety of everyone in the plant.
5. Notify the Emergency Coordinator and control the hazard.

The following actions must be taken by whomever involved:

FIRE OR EXPLOSION - PIER 91

In the occurrence of fire or explosion, employ the following procedure:

1. SHOUT "FIRE"
2. Stop all transfers: stop all pumps; close all valves
3. Remove any injured personnel
4. IF MAJOR (if involves tanks, or if in doubt):
 - a. Dial 911, say you want to report a fire at Pier 91, Chemical Processors
 - b. Start the foam pumps, (this will set off a plant alarm)
 - c. Open the valves to the appropriate tanks at the various manifolds
 - d. Notify the emergency coordinator
 - e. If possible, remove any containers that threaten to become involved
 - f. Attempt to contain all spills, stop all discharges
5. IF MINOR (with no chance of growing):
 - a. Extinguish with portable fire extinguishers.



CHEMICAL PROCESSORS, INC.

5501 AIRPORT WAY SO.
SEATTLE, WASHINGTON 98108

PHONE: (206) 767-0350

RECEIVED

SEP 30 1985

WASTE MANAGEMENT BRANCH

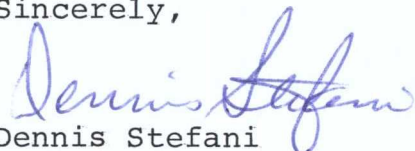
September 26, 1985

Mr. A. Boyd
MS 5-33
U.S. Environmental Protection Agency
1200 Sixth Avenue
Seattle, WA 98101

Dear Mr. Boyd:

I am enclosing the SPCC plan for our Pier 91 facility.
I apologize for the delay. If you have any questions
or problems please feel free to contact me.

Sincerely,


Dennis Stefani



ENGINEERING
CONSULTANT IN
O.S.H.A.
POLLUTION
MACHINE DESIGN
PROJECT

BOLSTER ENGINEERS

(509) 924-2575

S. 2213 McCABE
SPOKANE, WA 99216

REVISED
CHAPTER II
SPILL PREVENTION CONTROL
AND
COUNTERMEASURE PLAN

BULK OIL STORAGE AND
WASTE OIL PROCESSING PLANT
CHEMICAL PROCESSORS, INC.
PANOCO INC.
PIER 91
SEATTLE, WASHINGTON 98119

This plan has been prepared in compliance with Environmental
Agency Regulations, Title 40, Part 112.

REVISED

PIER 91 FACILITY

The Pier 91 Facility is operated by two separate companies, Chempro and Panoco. There is only one pipeline connecting the two plants to allow transfer of oil from Chempro to Panoco.

This SPCC Plan was prepared to cover both companies because of the physical layout of the facility.

Please see attachment 7, page 29 of this SPCC Plan.

REVISED
Chapter II - Spill Prevention Control and Countermeasure
(SPCC PLAN)

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REVISED
SPCC PLAN
CHEMPRO, PIER 91
SECTION I

Facility Information:

Name of Facility: Chemical Processors, Pier 91 Facility
Street: Pier 91
City, State, Zip: Seattle, Washington 98119
Type of Facility: Bulk Oil Storage and Waste Oil Processing
Plant
Owner: Chemical Processors, Inc.
5501 Airport Way South
Seattle, Washington 98108
(206) 767-0350

Designated Responsible Person:

Name: . Bob Moody

Title: Terminal Manager

This SPCC Plan has been reviewed by:

Approval: Bob Moody Date: _____

Maximum Storage Capacity:

Aboveground: 66,813 bbls.

Belowground: None

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SPCC PLAN
OIL PLANT
SECTION I

Facility Information

Name of Facility: Panoco, Pier 91 Facility
Street: Pier 91
City, State, Zip: Seattle Washington 98119
Type of Facility: Bulk Oil Storage

Owner: Panoco Inc.
Pier 91
Seattle, Washington 98119
(206) 382-9777

Designated Responsible Person:

Name: George Markwood
Title: Terminal Manager

This SPCC Plan has been reviewed by:

Approval: _____ Date: _____

Maximum Storage Capacity:

Aboveground: 148,474 bbls.

Belowground: None

REVISED
SPCC PLAN
OIL PLANT
SECTION I

Management Certification and Approval

I hereby certify that this Spill Prevention Control and Countermeasure Plan (SPCC Plan) will be implemented as described herein.

Company:

Chemical Processors

Name of Official:

Ron West

Title:

President

Signature:

Date:

Ron West
5/2/84

Professional Engineer Certification

I hereby certify that I have reviewed this Spill Prevention Control and Countermeasure Plan (SPCC Plan), and being familiar with the Environmental Protection Agency Regulation Title 40, CFR, Part 112, have examined the facility and do attest that the plan has been prepared in accordance with good engineering practice.

Name of Engineer:

Keith G. Bolster

Signature:

Date:

Registration No:

Seal:

Keith G. Bolster
1-6-84

8861, State of Washington



REVISED
SPCC PLAN

CHEMPRO, PIER 91

SECTION I

MANAGEMENT CERTIFICATION AND APPROVAL

I hereby certify that this Spill Prevention Control and Counter-measure Plan (SPCC Plan) will be implemented as described herein.

Company: Panoco

Name of Official:

Title:

Signature: _____ Date: _____

PROFESSIONAL ENGINEER CERTIFICATION

I hereby certify that I have reviewed this Spill Prevention Control and Countermeasure Plan (SPCC Plan), and being familiar with Environmental Protection Agency Regulation Title 40, CFR, Part 112, have examined the facility and do attest that the plan has been prepared in accordance with good engineering practice.

Name of Engineer: Keith G. Bolster

Signature: Keith G. Bolster Date: 1-6-84

Registration No: 8861 State of Washington

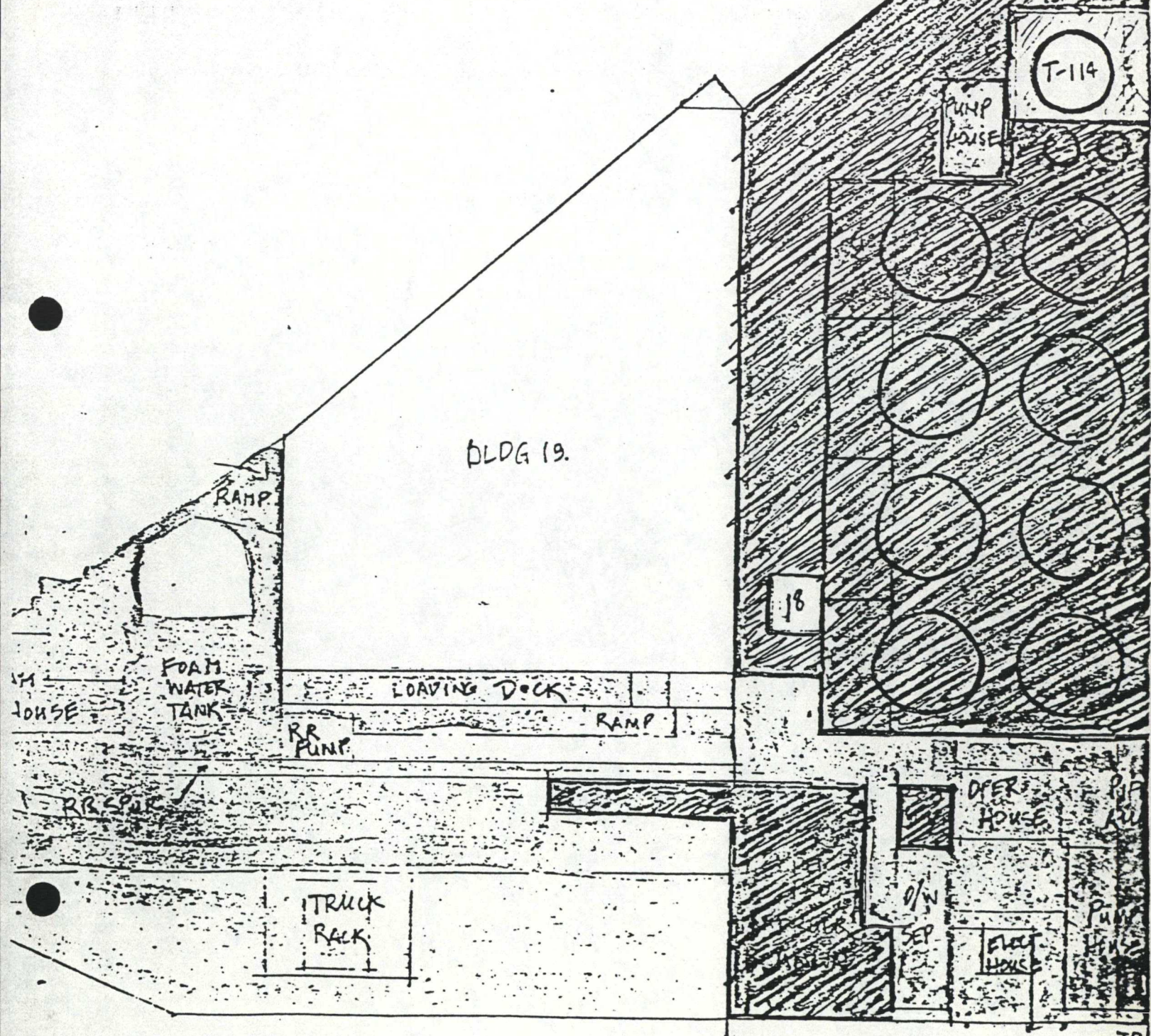
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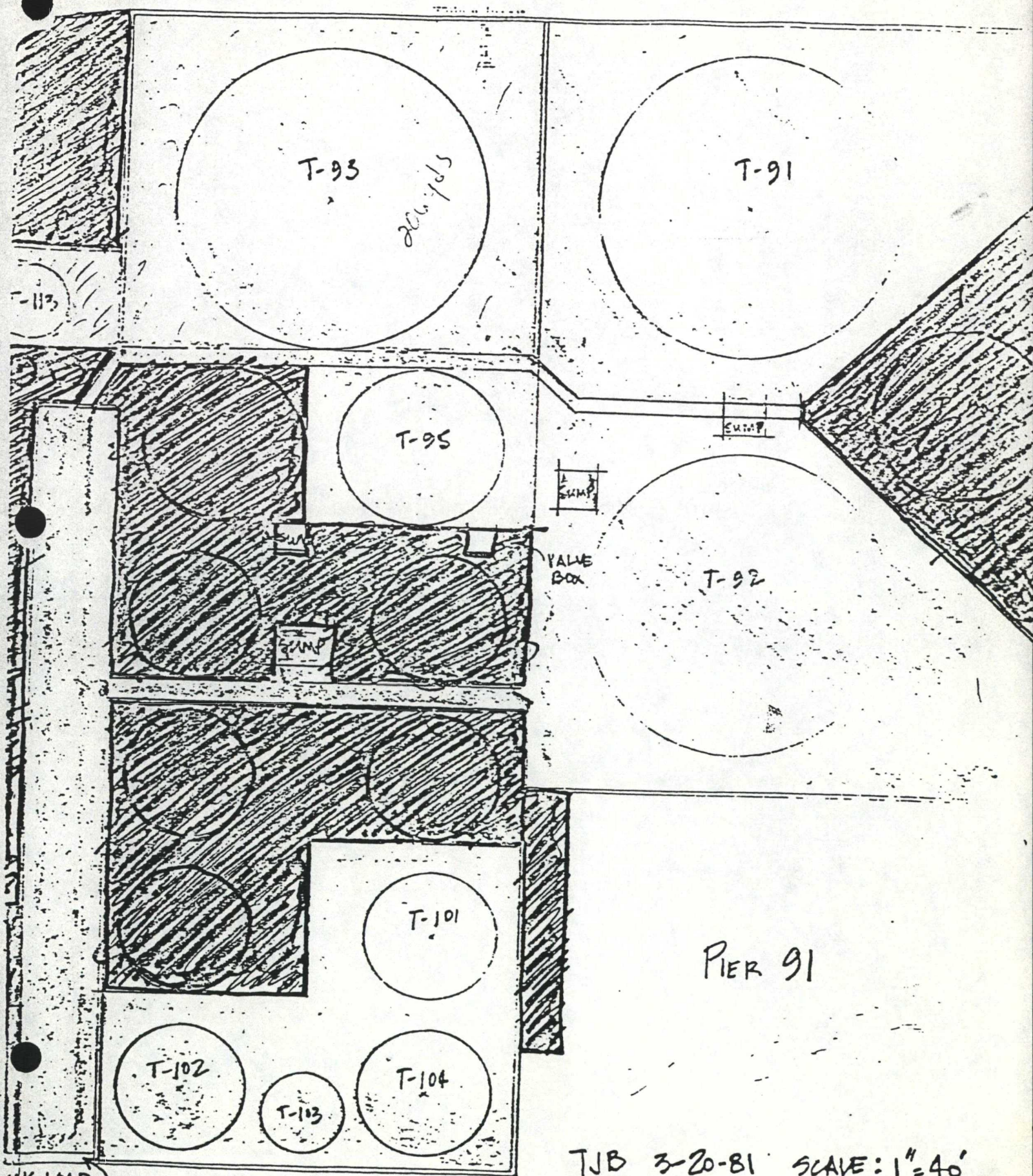


ATTACH. 7
Exhibit "C"

Common Areas/Joint Use
and Reserved Premises

CHAMPLO I: DARK AREA
PHOTO I: LIGHTS AREA
JOINT UNWARRING 10 BLDG 19





WICK LOAD
UNLOAD

TJB 3-20-81 SCALE: 1"=40'
APPROX

SPCC Plan
Chempro, Pier 91

Section II

SPILL EVENTS

"Spill Event" means a harmful discharge of oil from this non-transportation related facility, directly or indirectly, into or upon the navigable waters of the United States, or upon the earth outside the facility containment area.

No reportable spill event occurred during the period of January 10, 1973 to January 10, 1974 at this facility.

After January 10, 1974, if this facility has one Spill Event of more than 1000 gallons, or two Spill Events within any twelve month period we will submit this plan and other required data to the Regional Administrator within 60 days of the occurrence, in the manner prescribed by Title 40 CFR 112.4 (a). Non compliance with this requirement can result in a civil penalty of up to \$5000 per day. For each such Spill Event we will maintain a record in this section providing the following detail:

1. Date and time of spill.
2. Navigable waters polluted/ground surface contaminated.
3. Cause, including a failure analysis of the system of operational procedures involved.
4. Corrective actions or countermeasures taken.
 - a) Procedural changes, if any.
 - b) Equipment repairs and replacement.
 - c) Equipment added.
5. Any additional preventive measures taken to minimize recurrence.

Oil spills into surface waters will be immediately reported to applicable Federal and State agencies.

SPCC Plan
Chempro, Pier 91
Section II

Spill Event Record

Date of event _____

Time _____

Navigable waters or ground surface polluted _____

1. Cause: _____

2. Corrective Actions and/or Countermeasures taken: _____

3. Additional Preventive Measures, if any: _____

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SPCC Plan

Chempro, Pier 91

Section III

Oil Spill Contingency Plan and Reporting

- A. If spill occurs on dock area, refer to Chapter I, "Coast Guard Operations Manual."
- B. If spill occurs at tank farm area:
 - 1. Locate the source, stop pumping, close valve to stop the flow.
 - 2. Contain spill within berm area, or with a floating boom if on the water.
 - 3. Direct oil to the sump and catchment basin for subsequent recovery.
 - 4. Prevent tracking oil outside of berm area.
 - 5. If a spill is not contained within berm, take immediate measures to contain and recover. Request assistance as necessary from Crowley Environmental (682-4898 or 583-8100) or Crosby & Overton, if vacuum truck is required at 622-3400.
 - 6. If spill results in a "Spill Event" as defined in Section II, contact the following:
 - a) Chemical Processors, Inc. 767-0350
 - b) Department of Ecology 885-1900
 - c) U.S. Coast Guard, Seattle 442-1856 Or (800) 424-8802,
 - d) If "Spill" goes to the sewer system, shut down the discharge into the sewer discharge sump and contact Metro Industrial Waste Section 7:30 - 4:00 Monday through Friday at 447-6743 or Metro West Point Treatment plant 24 hours, seven days per week at 447-6801.
 - e) Panoco Inc. 382-9777

SPCC Plan
Chempro, Pier 91

Section III

Oil Spill Contingency Plan and Reporting

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SPCC Plan
Chempro, Pier 91
Section IV

Potential Spill Source

<u>Source</u>	<u>Type of Failure</u>	<u>Maximum Volume (Gal)</u>	<u>Maximum Flow Rate (GPM)</u>	<u>Flow Direction (2)</u>
1. Tanks	Overflow	20,000	1,400	Dike
2. Piping	Leakage	20,000	120	sump and catchment basin
3. Load/Unload Area	Leakage	300	120	sump and catchment basin
4. Tank Truck Rupture		6,500	(1)	sump and catchment basin
5. Rail Car	Rupture	20,000	(1)	sump and catchment basin
6. Tanks	Rupture	1,632,918	(1)	dike
Total above ground		9,036,090	(1) (2)	dike
Total below ground		none		

(1) Flow rate depends on size of failure and viscosity

(2) For containment details, see Attachment 4

SPCC-Plan

Chempro, Pier 91

Section V

Drainage

1. The tank farm is located approximately 100 feet north of navigable water.
2. The tank farm is located approximately 10 feet from subterranean storm drains (refer to Attachment 4).
3. The terrain is generally flat, soil is hard, compact sand, asphalt or concrete.
4. Drainage is towards the various sumps. (refer to Attachment 4).
5. The annual mean rainfall is 34 inches.
6. The entire tank farm is bermed with no outlet drain valves (refer to Attachment 4).
7. All drainage and spillage within the tank farm is directed to the catchment basin.
8. Drainage and spillage from the load/unload area flows by gravity to the catchment basin.
9. All drainage and spillage from the tank farm and from the load/unload areas are processed in the waste oil treatment facility with subsequent recovery of the oil. The water is discharged through an oil water separator to the sanitary sewer.
10. The discharge from the oil water separator is monitored to verify that no oil is discharged to the sanitary sewer.
11. The oil water separator maintenance log is kept on file for a minimum of 3 years. (refer to Attachment 2).

SPCC Plan

Chempro, Pier 91

Section VI

Storage and Process Tanks:

A. Storage Tank Protection:

1. All tanks are of construction suitable for the containment of liquid oils.
2. Tank contents are measured and plant personnel are present during all tank filling to prevent tank overflow.
3. Tanks will be provided with overflow warning devices (refer to "Spill Prevention Action Plans.")

B. Tank Inspections:

1. All tanks are observed daily and inspected monthly. Visual inspection is made for leakage, corrosion, buckling or settling.
2. Procedures for inspection are shown in Section X.
3. Personnel making inspections are to sign the report to verify that inspections were made. Inspection records are retained on file for a minimum of three (3) years. (Refer to Attachment 1).

C. Product Accounting:

Due to the variability of water content in waste oil processed at the facility, accurate accountability is not feasible. As a minimum, daily records will be maintained to indicate total volume, volumes of treated effluent discharged to the sewer, and a monthly balance indicating volume on hand, temperature, API density and gross barrels sold.

D. Mobile Storage Tanks:

All mobile storage tanks will be placed in area that is sloped or contained to cause spills to be contained.

E. Secondary Containment:

1. Each area around the storage tanks is diked to contain any spills. Each dike is sized to contain volume of largest tank plus precipitation.

SPCC Plan

Chempro, Pier 91

Section VI (cont'd)

E. Secondary Containment: -cont'd

2. Each dike is of concrete construction.
3. A valve is provided to drain each diked area during periods of plant non-operation. Each valve is kept secured in closed position, except when observed drainage is in process.

SPCC Plan

Chempro, Pier 91

Section VII

Intra-Facility Transfer Operations:

A. In-Service Lines

All lines, valves and supports are observed daily and inspected monthly in accord with Section X.

B. Out of Service Lines

All lines removed from service will be capped or blind flanged. All pipes outside of containment area will be capped between use.

C. Pipe Supports

Large pipes are suspended on concrete block pylons. Smaller pipes are held by metal hangers. Adequate movement, play for expansion and contraction is allowed for in long runs.

D. Buried Pipes

Buried pipes have a corrosion resistant coating. Unearthed piping will be examined for corrosion. If corrosion is found, the extent of corrosion will be determined and corrective action will be taken as required.

E. Overhead pipelines

No overhead pipelines are located in areas used by vehicular traffic.

SPCC Plan
Chempco, Pier 91
Section VIII

Loading & Unloading:

A. Regulations:

The loading and unloading procedures meet the minimum requirements and regulations of the department of transportation.

B. Procedures:

1. All loading and unloading will be within the facility load/unload area to provide gravity drainage to the catchment basin.
2. Leaks in piping, fittings and equipment must be repaired prior to loading or unloading.
3. Under no circumstances will a vehicle in the process of loading or unloading be left unattended.
4. Product lines between the vehicle and facility will be securely attached before valves are opened and product is transferred.
5. Tanks, piping and tank valves will be monitored to prevent overflows and leaks.
6. An attendant will remain on location and be prepared to shut down in case of mechanical failure.
7. After loading or unloading, valves will be closed, transfer lines will be removed and a check will be made to assure that all drain valves are closed. Lines will be drained to in plant drain trenches or sump.

C. Disconnects:

1. Operators and drivers are to assure that all transfer lines are disconnected prior to departure.
2. Warning signs in the area alert personnel to disconnect transfer lines prior to departure.

D. Truck Leakage:

Drains and outlets on tank trucks are checked for leakage before loading or unloading and departure.

SPCC Plan

Chempro, Pier 91

Section VIII (cont'd)

E. Secondary Containment:

1. Tank vehicle loading/unloading area is sloped to divert all spills to the catchment basin.
2. The maximum compartment size of tank vehicle is shown in Section IV.
3. The catchment basin and other containment capability has capacity for maximum compartment plus precipitation.
4. Drip pans are provided at loading/unloading area to reduce minor spills.
5. Absorbent materials are provided at loading/unloading area for control of minor spills.
6. The truck loading area has a berm to contain all spills. A sump is provided at the low area of the berm. The sump drains to the catchment basin.

SPCC Plan

Chempro, Pier 91

Section IX

Oil Separator Maintenance:

A. Catchment Basin Maintenance:

1. The catchment basin and drainage system will be inspected at least once each working day. Accumulations of oil and sediment will be removed before they impair operation of this system.
2. The operating level of the catchment basin will be maintained so that it will have a capacity to contain 110% of the largest compartment of vehicle being loaded or unloaded.

B. Oil Water Separator Maintenance:

1. The oil water separator will be inspected regularly. Collected oil will be returned to the treatment facilities for reclamation.
2. The oil water separator maintenance log is to be signed and dated by the operator (refer to attachment 2).

SPCC Plan

Chempro, Pier 91

Section X

Inspections and Records

A. Daily Observations

The facility will be under observation by employees each business day. Items to be observed daily include tanks, piping, valves, pumps, drains, dikes, catchment basins, water treatment equipment, fences, warning signs, and lighting fixtures. The purpose of the observation is to detect leaks, spills, failure, or damage to the facility. Any abnormal or irregular condition which may contribute to a spill event will be corrected on a priority basis.

B. Monthly Inspections

The facility will be thoroughly inspected each month and a written record prepared (see Attachment 1). The record will be kept on file for a minimum of three years. The areas of inspection include the following:

1. Containment area:

- a) Accumulations of oil that may indicate a leak or spill.
- b) Accumulations of water that may indicate a need for transfer to the treatment process.
- c) Soundness of dikes, retaining walls and catchment basins.
- d) Water treatment equipment for accumulation of product that may reduce treatment efficiency.
- e) Rubbish or vegetation that may block drains or hide accumulations of oil or water.

2. Tanks:

- a) Leakage at seams in base or walls, at access covers, or evidence of overflow.
- b) Rust or corrosion at base, on exterior walls and at interior near gauging ports.
- c) Foundations for settling of cracking.

SPCC Plan

Chempro, Pier 91

Section X (continued)

B. Monthly Inspections (continued)

3. Valves, pipes and pumps:

- a) Leakage at fitting and glands.
- b) Proper operation of valves and pumps
- c) Rust and corrosion
- d) Pipe supports for damage or abrasion against pipe

4. Loading and unloading area:

- a) Evidence of leakage of spills
- b) Rust and corrosion
- c) Damaged or missing equipment
- d) Drip buckets available

5. Security:

- a) Proper operation of facility security lighting
- b) Rubbish or vegetation that would reduce overall visibility within the facility and from outside the facility

6. Facility and Personnel General:

- a) SPCC Plan on file
- b) SPCC training
- c) Personnel operation and maintenance training
- d) Fire extinguishers
- e) General plant and equipment condition

C. Repairs and Corrections:

Facility conditions that may contribute to a spill event will be repaired or corrected on a priority basis.

SPCC Plan
Chempro, Pier 91
Section XI

Security:

This facility has the following security measures for the handling of product.

A. Loading and unloading area

1. Storage tank valves are closed during non-business hours.
2. Pump power supply switches are located in a secure area and are turned off during non-business hours.
3. A record is kept of all keys, including names of holders.

B. Access

1. The entire Pier 91 complex is fenced and manned by gate guards at all times.
2. Facility is under employee surveillance during business hours.
3. The street is regularly patrolled by security agents as provided by the Port of Seattle.

C. The facility is equipped with outside lighting during all hours of darkness to improve security.

D. Drain valves and pump controls are located within a fenced area and are accessible only to authorized personnel.

SPCC Plan

Chempro, Pier 91

Section XII

Personnel Training and Spill Prevention

The Plant manager shall be responsible for oil spill prevention and personnel training as follows:

1. Plant personnel shall be instructed in the proper and safe operation of equipment within that persons scope of activity.
2. Plant personnel shall be informed of applicable pollution control laws, rules and regulations affecting the facility.
3. Plant personnel will be instructed on proper maintenance of equipment necessary to prevent spills.
4. The plant manager shall observe on a regular basis loading and unloading practices and facility operating practice to assure proper procedures are being followed and to afford an opportunity to inspect equipment under operating conditions.
5. The plant manager shall hold spill prevention briefings, with personnel on a quarterly basis with special attention given to reviewing the SPCC Plan.

SPCC Plan
Chempro, Pier 91
Section XIII

Amendment of SPCC Plan

1. Facility Change:

This SPCC plan will be amended within six months after any change in the facility's design, construction, operation or maintenance which would materially affect its potential for an oil spill.

2. Plan Review and Update:

This plan will be reviewed at least once every three years and, if the technology is available and field proven, the plan will be amended to include more effective oil spill prevention and control methods.

3. Amendment Requirement:

The plan amendments described in 1 and 2 above, are required by Environmental Protection Agency regulations Title 40, CFR, Part 112.5.

SPCC Plan
Chempro, Pier 91

Attachment 1

Monthly Inspection Report

I. Containment:

OK Needs Repair

1. Berms appear structurally sound.
2. Oil or water accumulations within berm.
3. Vegetation or rubbish accumulations.
4. Operation of sump and separator satisfactory.

Comment on repair needed _____

II. Tanks:

OK Needs Repair

1. Leakage at seams, or access covers.
2. Evidence of overflow.
3. Rust or corrosion at base, on exterior.
4. Foundations settling or cracking.

Comment on repair needed _____

III. Valves, Pipes and Pumps:

OK Needs Repair

1. Leakage at fittings and glands.
2. Proper operation of valves and pumps.
3. Rust and corrosion.
4. Pipe supports for damage or abrasion.

Monthly Inspection Report (cont'd):

Comments on repairs needed _____

IV. Loading/Unloading Area

OK

Needs Repair

1. Evidence of leakage or spills.
2. Rust and corrosion.
3. Damaged or missing equipment.
4. Drip buckets available.

Comments on repairs needed _____

V. Security

OK

Needs Repair

1. Proper operation of facility security lighting.
2. Rubbish or vegetation that would reduce overall visibility within the facility.

VI. Facility and Personnel General

1. SPCC Plan is on file.
2. SPCC Plan reviewed with personnel within past three (3) months.
3. Plant personnel are properly trained in the operation and maintenance of equipment.
4. Plant personnel are properly trained in the use of spill prevention equipment.
5. Plant personnel clearly understand spill reporting procedures.
6. Fire extinguishers fully charged and inspected within past 12 months.
7. Oil cleanup materials available.

Monthly Inspection Report (cont'd):

VI. Facility and Personnel General (cont't)

8. No obvious fire hazards.
9. All oily residue cleaned from valves, pipes, tanks, steps, ladders and ground surfaces.
10. Storage of parts, equipment and materials neat and orderly.

Comments on repair needed _____

DATE:

SIGNED:

NOTE: This report is to be maintained in file for a minimum of three (3) years.

OIL PLANT SEPARATOR MAINTENANCE LOG

Inspection Date	Oil Build Up Inches	Oil Removed Inches	Separator Pumped Out Date	Sludge Removed Date	Sample Taken Date	Remark Operator Signature

REVISED

PIER 91

ATTACHMENT 3

Spill Prevention Action Plan:

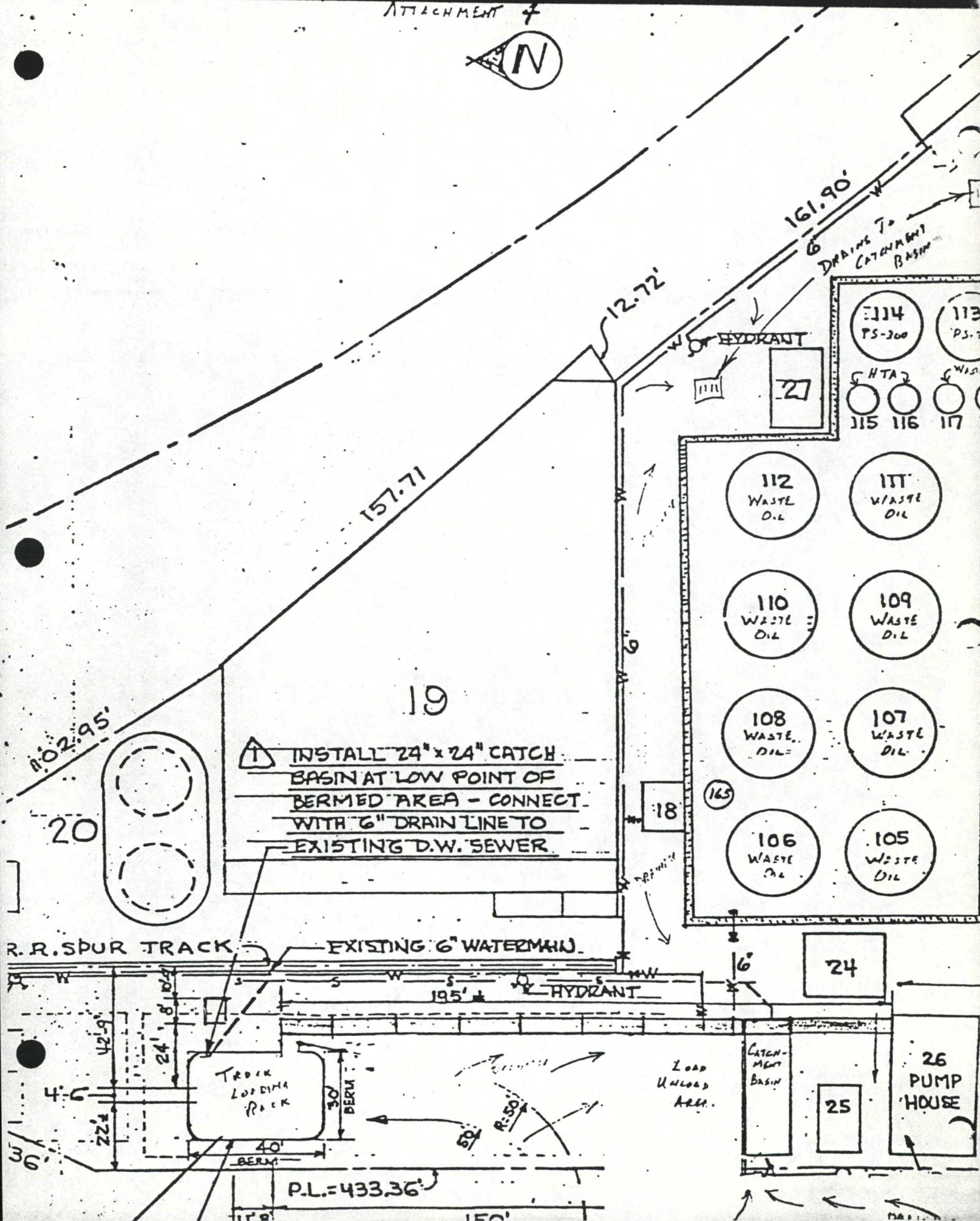
- a. Repair crack in east wall of south diked area.

SPCC Plan
Chempro, Pier 91
Attachment 3

Spill Prevention Action Plan:

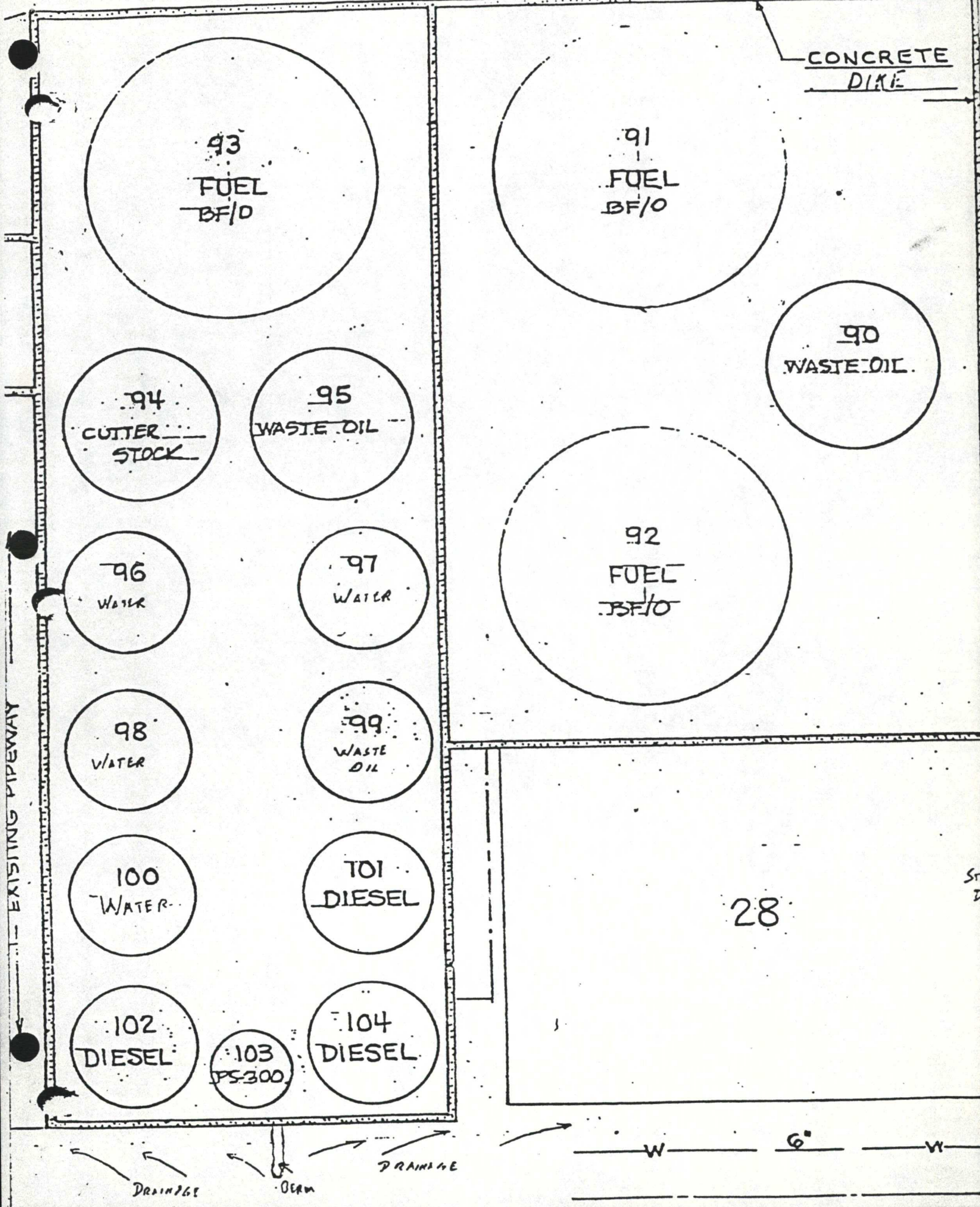
- A. A high level alarm system will be provided on tanks to prevent overfilling by March 1980.
- B. The designated "truck loading rack" on Attachment 4 is under construction. It will be roofed and bermed with drain to the catchment basin. Expected completion is January, 1980.
- C. Meters to be installed to determine quality of water discharged to the sanitary sewer by February 1980.
- D. Repair leak in east wall of south diked area by January 1980.

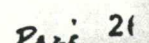
ATTACHMENT #



3.55

ATTACHMENT 7 (CONT.)





DRAINS

ATTACHMENT (CONT.)

CONCRETE
DIKE

93
FUEL
BF/O

91
FUEL
BF/O

90
WASTE OIL

Sump

GRAVITY FLOW

94
CUTTER
STOCK

95
WASTE OIL

VALVE

96
WATER

97
WATER

PUMP

VALVE

98
WATER

99
WASTE
OIL

100
WATER

101
DIESEL

102
DIESEL

103
PS-300

104
DIESEL

92
FUEL
BF/O

28
(NON CHEMPRO)

DITCH

DRAINAGE

W

6"

W

SPCC Plan

Chempro, Pier 91

Attachment 6

PIPING/VALVING DETAIL

Refer to "Fuel Distribution tank farm area diagram" dated 10/13/60 for piping/valving detail. Copies of the drawing are posted in the Chempro facility offices at Pier 91 and at the Chempro Main office.